



The distributing tanks are left on this loading bank when not in use.



The farm truck picks up the tanks for filling at the sump.



The liquid manure is applied at 16 to 18 tons per acre. The 400-gallon tank is emptied in about four minutes.

distribute, but the more concentrated should be the application.

### Greater Yields

Some interesting results were obtained in top-dressing hay and ensilage paddocks with the liquid manure. Two ensilage paddocks and a hay paddock were treated before being shut up, and showed the value of this manure in getting a better crop. A portion of one of the ensilage paddocks which had to be missed before closing was pale in colour and a much thinner crop than the treated area. The heaviest crop of hay yet cut out on the farm was obtained from a paddock top-dressed with liquid manure just before closing. Any small areas of a paddock missed in spreading the liquid manure show up very clearly for a long time. The effect of the one application of manure is very distinct and lasting.

This season it is intended to milk 85 to 90 cows, and the manure from the cowshed will, it is expected, be sufficient to cover between 25 and 30 acres. The drainage from a new pig

fattening pen will also go into the sump and will provide for a few more acres. A large proportion of the minerals from the whey and other food for the pigs will then go back to the pastures.

The farm is top-dressed with phosphate manures and lime at about 3cwt per acre, and the liquid manure is applied as an extra. Both Mr. Marchant and his manager, Mr. Pitcairn, are convinced, however, that the outlay of £75 has been more than repaid, and that the two to three hours required every 10 to 14 days to spread the manure is well worth while. Much of the increase in carrying capacity during the past three years—that is, from 53 to 85 cows—is definitely attributed to the treatment of the 55 acres with liquid manure.

The area first treated three years ago is still showing the results. With the increase of the herd and the addition of the pigsty manure it will be possible to cover the farm every four years with a good and lasting dressing of liquid manure.

It is certain that the severe cut in the fertiliser available this season will

mean much less to farms such as Mr. Marchant's, where liquid manure can be used to keep things going, than it will on the great majority of dairy farms where this valuable source of farm manure is wasted.

Farmers who use liquid manure from the cow bails and yards to top-dress the pastures or manure crops have one complaint—there is never enough.

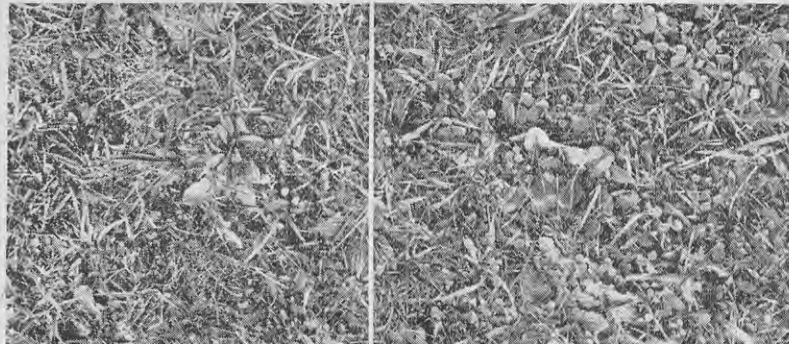


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Left: No liquid manure. Right: One application of liquid manure. Liquid manure encourages the clovers as well as the grass.